Section – A

Multiple Choice Questions (MCQ'S)

Q.1 Choose the correct answer for each from the given options.

1. According to Einstein's Quantum Theory light travel in the from of:
   (a) Waves (b) Carpuscles (c) Energy Packets (d) None of these
2. At S.T.P pure water boils at:
   (a) 0 K (b) 100 K (c) 273 K (d) 373 K
3. S.I unit of tension in a string is:
   (a) Pound (b) Newton (c) Kilogram (d) Joule
4. Right hand rule is used to find the direction of:
   (a) Magnetic Field (b) Current
   (c) Force (d) Voltage
5. ________ is concerned with the structure and properties of an atom.
   (a) Bio-Physics (b) Plasma Physics
   (c) Atomic Physics (d) Nuclear Physics
6. Dr. Abdul Qadeer Khan contributed in making Pakistan a ________ State.
   (a) Islamic (b) Nuclear (c) Democracy (d) Welfare
7. ________ is the first equation of motion.
   (a) $V_f^2 = V_i^2 + 2aS$ (b) $V_f = V_i + at$
   (c) $S = v_i t + \frac{1}{2}at^2$ (d) $V_f^2 = V_i^2 + 2aS$
8. The capability of a force to rotate a body about a point is called ________.
   (a) Couple (b) Torque (c) Equilibrium (d) Motion
9. The mass of Earth may be determined with the help of ________ law of Universal Gravitation.
   (a) Boyle's (b) Newton's (c) Charles's (d) Coulomb's
10. One form of energy can be converted into another form of energy but total amount of energy remains ________.
    (a) Motion (b) Rest (c) Constant (d) None of these
11. A strong wooden or metallic bar, which can be rotated about a point is called a ________.
    (a) Load (b) Effort (c) Lever (d) Fulcrum
12. The atmosphere is the blanket of air around the Earth. It extends up to about ________ above the surface of the Earth.
    (a) 1000 Km (b) 1500 Km (c) 2000 Km (d) 2500 Km
13. ________ is the force that pushes an object immersed in a liquid in the upward direction.
    (a) Buoyant Force (b) K.E (c) P.E (d) Viscosity
14. Heat is the form of ________.
    (a) Energy (b) Work (c) Wave (d) Sound
15. A ________ is a piece of transparent material.
    (a) Lens (b) Fibers (c) Wood (d) Plastics
16. The sound heard after reflection from a surface is called an ________.
    (a) Echo (b) Pitch (c) Loudness (d) Quality
17. "G" is called ________
    (a) Gravitational Acceleration (b) Gravitational Force
    (c) Gravitational Constant (d) None of these